

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2007/058445

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K31/10 A61K31/192 A61K31/60 A61K31/618 A61P27/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | WO 2004/067009 A (SON DAL-HOON [CA]; SON SUNG-SOON [CA]; SHIN KUK-HYUN [KR]; KANG SAM-SI) 12 August 2004 (2004-08-12) page 4 page 8, line 8 - line 11 page 13, line 6 - line 7 claims 8,14 | 1,2,5,8, 11 |
| X | WO 2005/051356 A (ELAN PHARMA INT LTD [IE]; BOSCH H WILLIAM [US]; WERTZ CHRISTIAN F [US]) 9 June 2005 (2005-06-09) page 25, line 20 - page 26, line 14 page 33, line 8 - line 13 page 50, line 4 - line 9 ----- -/-- | 1,2,5, 8-11 |

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

14 November 2007

Date of mailing of the international search report

26/11/2007

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

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PCT/EP2007/058445

| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
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| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | JP 2000 256259 A (NIPPON ZOKI PHARMACEUTICAL CO) 19 September 2000 (2000-09-19) abstract compounds RN636-01-1, RN292820-99-6, RN292821-00-2 | 1,2,5,11 |
| X | EP 1 535 915 A (TAKEDA PHARMACEUTICAL COMPANY [JP]) 1 June 2005 (2005-06-01) page 21, paragraph 144 - page 22, paragraph 145 page 151, paragraph 942 claims 37,44,51 | 1,2,8,9,11 |
| X | JP 2002 193800 A (TAISHO PHARMA CO LTD) 10 July 2002 (2002-07-10) abstract compounds 318509-78-3,318509-80-7,318510-52-0, 318510-53-1 | 1,2,6,11 |
| Y | US 4 513 007 A (DE COURTEN ALFRED [CH] ET AL) 23 April 1985 (1985-04-23) column 2, line 3 - line 4 | 1-11 |
| Y | WO 2004/050074 A (ESTEVE LABOR DR [ES]; ESTEVE-SOLER JOSE [ES]; SAENZ DE TEJADA-GORMAN I) 17 June 2004 (2004-06-17) claims 1,3,4,9 | 1-11 |
| P,Y | CN 1 844 106 A (YU XUEMIN [CN]) 11 October 2006 (2006-10-11) abstract compounds RN-915217-25-3 | 1-11 |
| P,X | WO 2007/019255 A (NOVARTIS AG [CH]; NOVARTIS PHARMA GMBH [AT]; REBER JEAN-LOUIS [FR]; VI) 15 February 2007 (2007-02-15) page 19, line 7 - line 9 claims 2,38 | 1,2,5,8,11 |
| E,X | WO 2007/101005 A (BAUSCH & LOMB [US]; BARTELS STEPHEN P [US]) 7 September 2007 (2007-09-07) page 5 page 12 page 14 claim 23 | 1,2,5,8,9,11 |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2007/058445

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2007/058445

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
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| CN 1844106 | A | 11-10-2006 | NONE | |
| WO 2007019255 | A | 15-02-2007 | NONE | |
| WO 2007101005 | A | 07-09-2007 | NONE | |